

230 Crescent Avenue
Chelsea, Ma.**NO. 6 FUEL OIL**

Lab Reference	99940187	Classification	Tk 11
Vessel/Barge	Penn-120	Grade	#6 Fuel Oil
Client	Sprague (Deepwater)	Terminal	Quincy, MA
Date on Sample	2/25/04	Customer Ref #	V-04-0386
Date Tested	2/27/04	Tested by	AC / RG

Tests	Method	Results	Unit of Measure
API Gravity @ 60°F	D-4052	15.6	API
Flash Point, PMCC	D-93B	204	Degrees F
Pour Point/Upper	D-97	15/59	Degrees C/F
Sulfur Content	D-4294	0.484	Weight %
S&W Content	D-1796	0.90	Volume %
Viscosity	D-445	144.6	Cst
Viscosity @ 122F	D-2161	69.0	Sfs
Ash Content	D-482	0.012	Weight %
Heat of Combustion	D-240	18,602	Btu/lb
Gravity	Table 8	8.011	lb./gal
Heat of Combustion	D-240	149,021	Btu/Gal.
Nitrogen	D-5762	0.31	Weight %
Vanadium	D5863B	13	Ppm
Sodium	D5863B	33	Ppm
Water by Distillation	D-95	0.9	Volume %
Sediment by Extraction	D-473	0.07	Weight %
Asphaltenes	IP-143/D-3279	2.8	Weight %
Conradson Carbon Residue	D-189	8.3	Weight %

Approved

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